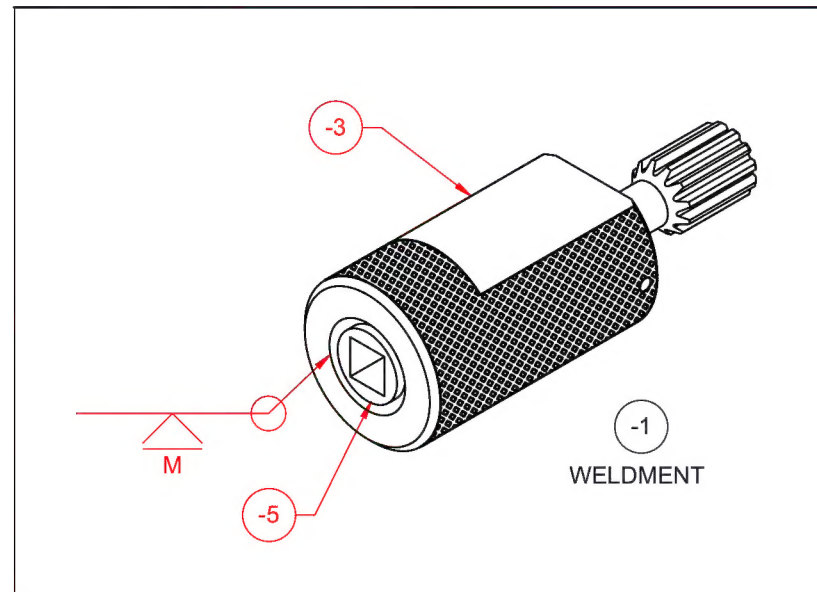
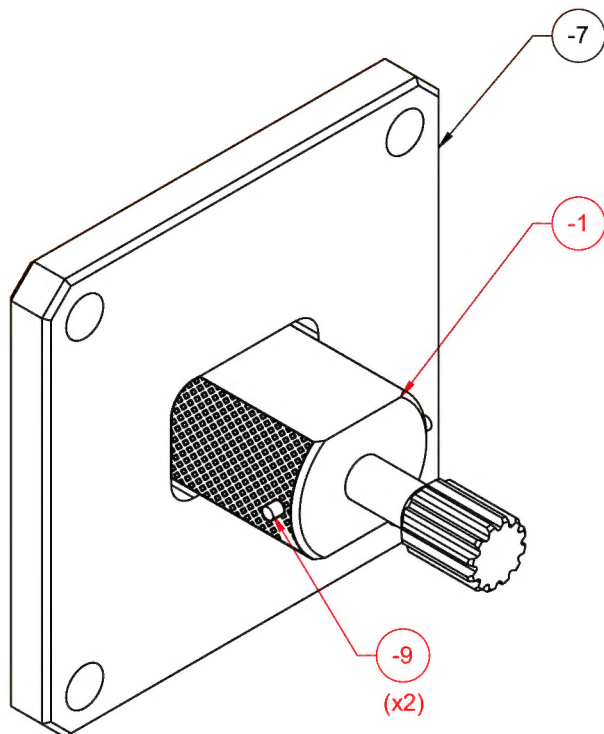


REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CHANGED -5 FROM ROUND BAR TO MACHINED SOCKET. ALSO CHANGED -9 FROM DOWEL PIN TO ROLL PIN.	6/16/10	WP	DW

URF 19-1102 19.10.30 (VM)



1. TEST PEICE -3 GEAR END RC 56, -7 RC 16.

ORIGINAL No.  
RBTWC64054-1 — PWC64054 REV: D DET-2  
RBTWC64054-7 — PWC64054 REV: D ST1-01



RED BARN MACHINE


TITLE GEAR ALIGNMENT TOOL

DWG NO.	RBPWC64054	REV
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: <b>PERRITT</b>
TOLERANCES ON:		APPROVED <i>D Weid</i>
DECIMALS		HEAT TREAT <b>SEE PART</b>
.XXX $\pm$ .005	FRACTIONS $\pm$ 1/32	FINISH SPEC <b>BLACK OXIDE</b>
.XX $\pm$ .01	ANGLES $\pm$ 5°	

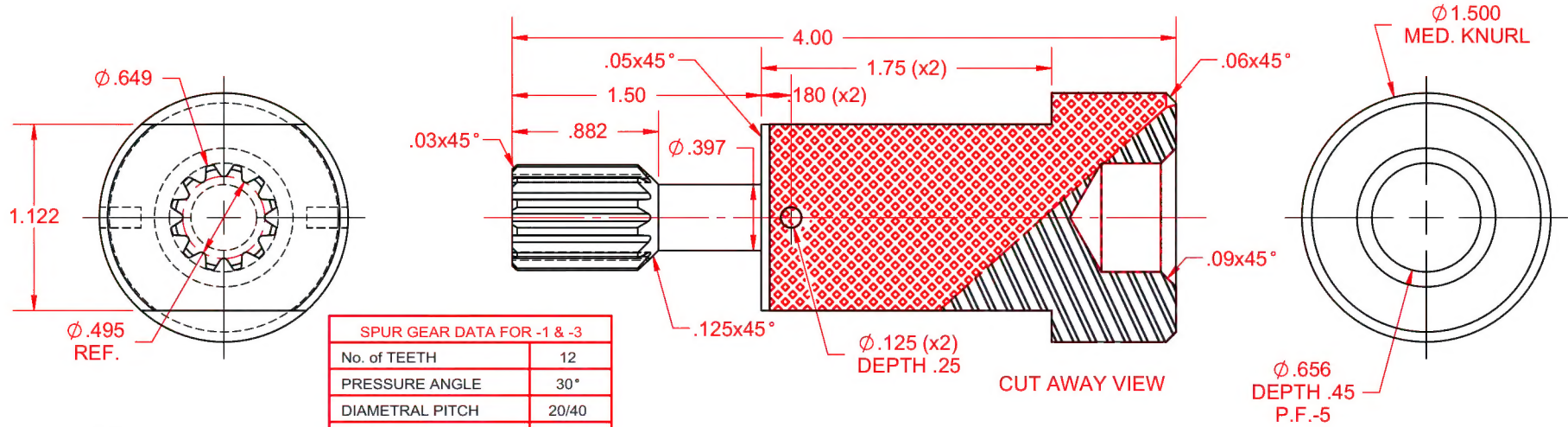
UNLESS OTHERWISE SPECIFIED		USED ON MODEL	
1. BREAK ALL SHARP EDGES		PRATT & WHITNEY	

2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	7-2-09
		SHEET	1 of 3

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg
			-1	1	WELDMENT	-	-	1
	1		-3		SPLINE	4140 Q&T	Ø 1-1/2 x 4-1/8	2
	1		-5		SQ. DRIVE INSERT	-	SNAP-ON #GF161	2
			-7	1	PLATE	1018 FLAT BAR	7/16 x 4-1/2 x 4-1/2	3
		B/O	-9	2	ROLL PIN	STEEL, BLACK	Ø 1/8 x 1/2	1
			-	-	-	-	-	-
	ASSY s1							

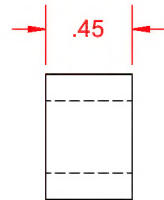
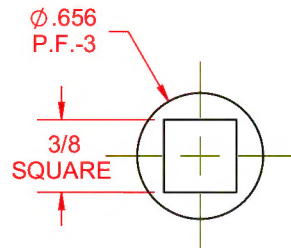
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	-	-	-	-

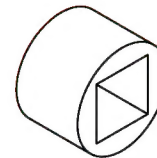


SPUR GEAR DATA FOR -1 & -3	
No. of TEETH	12
PRESSURE ANGLE	30°
DIAMETRAL PITCH	20/40
MAJOR DIA.	0.650
MINER DIA.	0.5375
WHOLE DEPTH	.05625
ADDENDUM	.025
DEDENDUM	.03125
PITCH DIA.	0.600
BASE DIA.	0.51962
CHORDAL THICKNESS	.07854
OVER 0.096 PINS	0.736

**UNDER REVIEW**  
URF 19-1102 19.10.30 (VM)



-5  
SQ. DRIVE  
INSERT



**RED BARN MACHINE**

TITLE  
**GEAR ALIGNMENT TOOL; PARTS**

DWG NO. **RBPWC64054-3 & -5** REV **-**

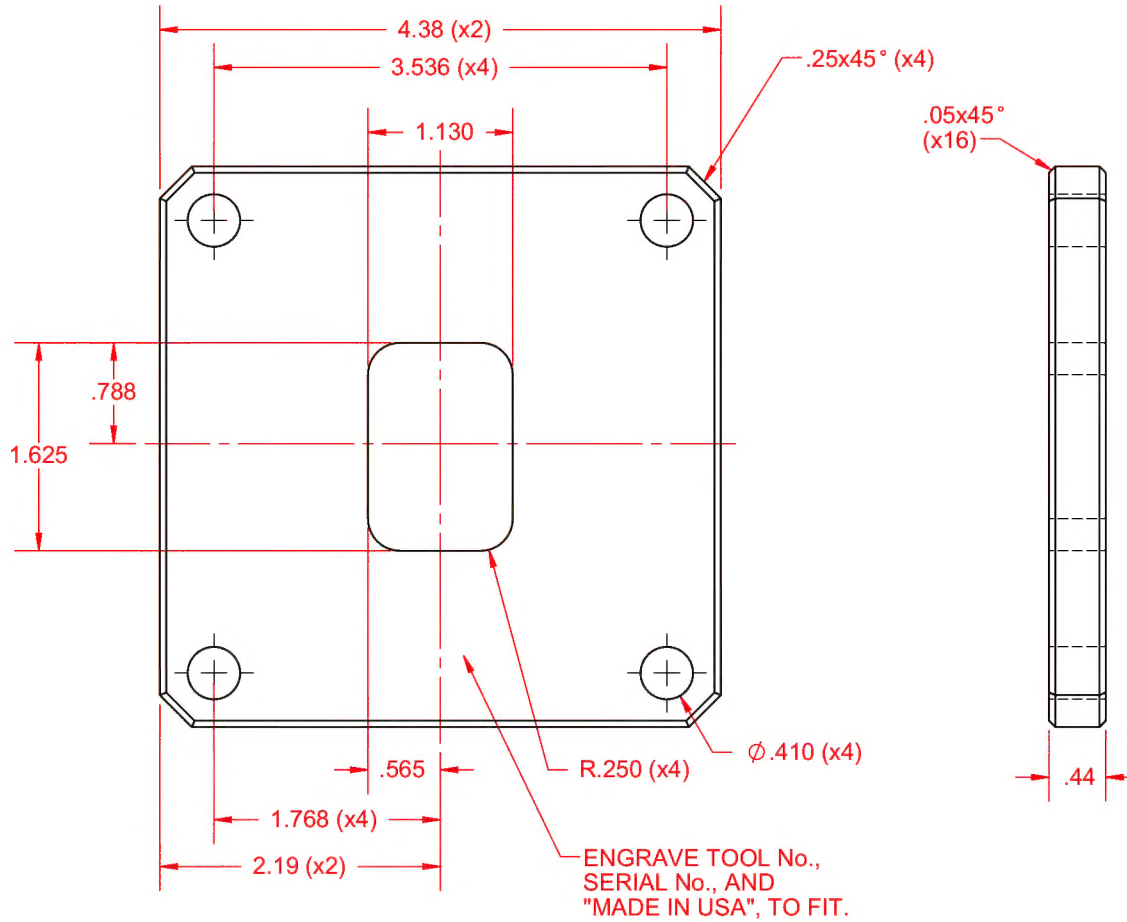
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DECIMALS  
.XXX ± .005  
.XX ± .01  
.X ± .1  
FRACTIONS ± 1/32  
ANGLES ± 5°  
DRAWN BY: **PERRITT**  
APPROVED  
HEAT TREAT **SEE PART**  
FINISH **BLACK OXIDE**  
SPEC  
USED ON MODEL  
**PRATT & WHITNEY**

UNLESS OTHERWISE SPECIFIED  
1. BREAK ALL SHARP EDGES  
.015 x 45° PR .015 R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

SCALE **NTS** DATE **7-2-09** SHEET **2 of 3**

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	---	-	-	-



**UNDER REVIEW**  
URF 19-1102 19.10.30 (VM)

<b>RED BARN MACHINE</b>	
TITLE <b>GEAR ALIGNMENT TOOL; PLATE</b>	
DWG NO. <b>RBPWC64054-7</b>	REV <b>-</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: <b>PERRITT</b>	
APPROVED	
HEAT TREAT <b>SEE PART</b>	
FINISH <b>BLACK OXIDE</b>	
SPEC	
USED ON MODEL	
<b>PRATT &amp; WHITNEY</b>	
SCALE <b>NTS</b>	DATE <b>7-2-09</b>
SHEET <b>3 of 3</b>	